

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF ULTRA-LOW ENERGY ION IMPLANTATION TO FORM ALLOY LAYERS IN
COPPER

(Attorney Docket No. 039153-0529 (G1234))

the specification of which (check one)

 X is attached hereto.

 was filed on as United States Application Number or PCT
International Application Number and was amended on
(if applicable).

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number | Country | Foreign Filing Date | Priority Claimed? | Certified Copy Attached? |
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I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| U.S. Provisional Application Number | Filing Date |
|-------------------------------------|-------------|
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I HEREBY CLAIM the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application Number | PCT Parent Application Number | Parent Filing Date | Parent Patent Number |
|--------------------------------|-------------------------------|--------------------|----------------------|
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I HEREBY APPOINT the following registered attorneys and agents of the law firm of FOLEY & LARDNER:

| | |
|--------------------|-----------------|
| SCOTT D. ANDERSON | Reg. No. 46,521 |
| RUSSELL J. BARRON | Reg. No. 29,512 |
| DAVID J. BATES | Reg. No. 39,902 |
| STEVEN C. BECKER | Reg. No. 42,308 |
| EDWARD W. BROWN | Reg. No. 22,022 |
| CHARLES G. CARTER | Reg. No. 35,093 |
| ALISTAIR K. CHAN | Reg. No. 44,603 |
| JOHN C. COOPER III | Reg. No. 26,416 |
| WILLIAM J. DICK | Reg. No. 22,205 |

| | |
|------------------------|-----------------|
| BARRY L. GROSSMAN | Reg. No. 30,844 |
| JEFFREY S. GUNDERSEN | Reg. No. 47,619 |
| PAUL S. HUNTER | Reg. No. 44,787 |
| JOHN M. LAZARUS | Reg. No. 48,367 |
| KENNETH G. LEMKE | Reg. No. 47,746 |
| KEITH D. LINDENBAUM | Reg. No. 40,365 |
| DAVID G. LUETTGEN | Reg. No. 39,282 |
| RICHARD J. MC KENNA | Reg. No. 35,610 |
| JAMES G. MORROW | Reg. No. 32,505 |
| JASON E. PAULS | Reg. No. 45,651 |
| TODD A. RATHE | Reg. No. 38,276 |
| MICHAEL D. RECHTIN | Reg. No. 30,128 |
| MARCUS W. SPROW | Reg. No. 48,580 |
| M. REED STAHELI | Reg. No. 47,959 |
| CHRISTOPHER M. TUROSKI | Reg. No. 44,456 |
| JOHN A. VANOPHEM | Reg. No. 38,646 |
| JAMES A. WILKE | Reg. No. 34,279 |
| JOSEPH N. ZIEBERT | Reg. No. 35,421 |
| WALTER E. ZIMMERMAN | Reg. No. 40,883 |

along with the following registered attorneys and agents of ADVANCED MICRO DEVICES, INC.:

| | |
|-----------------------|-----------------|
| ELIZABETH A. APPERLEY | Reg. No. 36,428 |
| BRADLEY BOTSCH | Reg. No. 34,552 |
| MICHAEL CAYWOOD | Reg. No. 37,797 |
| DANIEL R. COLLOPY | Reg. No. 33,667 |
| PAUL S. DRAKE | Reg. No. 33,491 |
| RAJENDRA JAIPERSHAD | Reg. No. 44,168 |
| DIANA ROBERTS | Reg. No. 36,654 |
| RICHARD J. RODDY | Reg. No. 27,688 |
| HARRY A. WOLIN | Reg. No. 32,638 |

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

Paul S. Hunter
FOLEY & LARDNER
Customer Number: 26371



26371

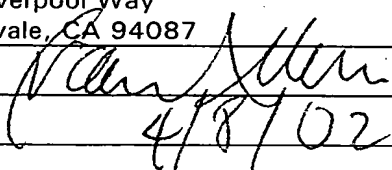
PATENT TRADEMARK OFFICE

Telephone: (414) 297-5728
Facsimile: (414) 297-4900

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that

these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | |
|------------------------|--|
| Name of first inventor | Ercan Adem |
| Residence | Sunnyvale, CA |
| Citizenship | United Kingdom |
| Post Office Address | 729 Liverpool Way Sunnyvale, CA 94087 |
| Inventor's signature |  |
| Date | 4/8/02 |

FORM PTO-1595 (modified)

U.S. DEPARTMENT OF COMMERCE

(Rev 6-93)

Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

Ercan Adem

2. Name and address of receiving party(ies):

Advanced Micro Devices, Inc.
1160 Kern Avenue
Sunnyvale, CA 94086

Additional conveying party(ies) NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

04/08/2002

Additional name(s) & address(es) attached? NO

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is: 04/08/2002

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Paul S. Hunter
FOLEY & LARDNER
Firststar Center
777 East Wisconsin Avenue
Milwaukee, Wisconsin 53202-5367

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Check Enclosed

Charge to deposit account

8. Deposit account number: 06-1447

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above identified deposit account.

Paul S. Hunter

Name of person signing

Signature

Date

April 16, 2002

Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT AND AGREEMENT

WHEREAS, Ercan Adem of 729 Liverpool Way, Sunnyvale, CA 94087; (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **METHOD OF ULTRA-LOW ENERGY ION IMPLANTATION TO FORM ALLOY LAYERS IN COPPER** (Atty. Dkt. No. 039153-0529 (G1234)) for which an application for United States Letters Patent was executed by ASSIGNOR concurrently herewith; and

WHEREAS, Advanced Micro Devices, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having its principal place of business at 1160 Kern Avenue, Sunnyvale, CA 94086 (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 8th day of April, 2002



ERCAN ADEM

State of California
County of Santa Clara) ss.

On this 8th day of April, 2002, before me, a notary public in and for said county, appeared ERCAN ADEM, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.



Notary Public

My Commission Expires: April 1, 2005

(Seal)

